

Form PTO-1449
(Rev. 8-83)U.S. Department of Commerce
Patent and Trademark Office

Atty Docket 0756-2431

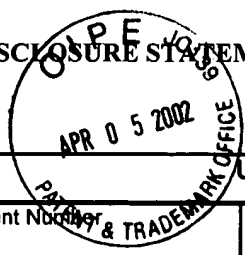
Serial No. 10/066,542

INFORMATION DISCLOSURE STATEMENT

Applicants: Osamu NAKAMURA et al.

Filing Date: February 05, 2002

Group Art Unit: N/A



U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
BWB	5,529,937	06/25/1996	Zhang et al.			
	5,608,232	03/04/1997	Yamazaki et al.			
	5,639,698	06/17/1997	Yamazaki et al.			
	5,700,333	12/23/1997	Yamazaki et al.			
	5,773,327	06/30/1998	Yamazaki et al.			
	5,789,284	08/04/1998	Yamazaki et al.			
	5,814,540	09/29/1998	Takemura et al.			
	5,869,363	02/09/1999	Yamazaki et al.			
	5,888,858	03/30/1999	Yamazaki et al.			
	5,893,730	04/13/1999	Yamazaki et al.			
	5,897,347	04/27/1999	Yamazaki et al.			
	5,915,174	06/22/1999	Yamazaki et al.			
	5,949,115	09/07/1999	Yamazaki et al.			
	5,956,579	09/21/1999	Yamazaki et al.			
	5,961,743	10/05/1999	Yamazaki et al.			
	5,977,559	11/02/1999	Zhang et al.			
	5,985,740	11/16/1999	Yamazaki et al.			
	6,027,987	02/22/2000	Yamazaki et al.			
	6,048,758	04/11/2000	Yamazaki et al.			
	6,063,654	05/16/2000	Ohtani			
	6,066,518	05/23/2000	Yamazaki			
	6,071,764	06/06/2000	Zhang et al.			
	6,071,766	06/06/2000	Yamazaki et al.			
	6,072,193	06/06/2000	Ohnuma et al.			
	6,077,731	06/20/2000	Yamazaki et al.			
	6,077,758	06/20/2000	Zhang et al.			
	6,084,247	07/04/2000	Yamazaki et al.			
	6,087,679	07/11/2000	Yamazaki et al.			
	6,093,934	07/25/2000	Yamazaki et al.			
	6,100,562	08/08/2000	Yamazaki et al.			

Date Considered

6/2/02

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
BMB	6,111,557	08/29/2000	Koyama et al.			
	6,121,660	09/19/2000	Yamazaki et al.			
	6,133,073	10/17/2000	Yamazaki et al.			
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	6,133,119	10/17/2000	Yamazaki			
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	6,165,824	12/26/2000	Takano et al.			
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	6,184,559	02/06/2001	Hayakawa et al.			
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	6,225,152	05/01/2001	Yamazaki et al.			
	6,232,205	05/15/2001	Ohtani			
	6,232,621	05/15/2001	Yamazaki et al.			
	6,242,290	06/05/2001	Nakajima et al.			
	6,251,712	06/26/2001	Tanaka et al.			
	6,287,900	09/11/2001	Yamazaki et al.			
	6,291,275	09/18/2001	Yamazaki et al.			
	6,294,441	09/25/2001	Yamazaki			
	6,300,659	10/09/2001	Zhang et al.			
	6,303,415	10/16/2001	Yamazaki			

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
BWB	6,303,963	10/16/2001	Ohtani et al.			
	6,307,214	10/23/2001	Ohtani et al.			
	6,316,789	11/13/2001	Yamazaki et al.			
	6,316,810	11/13/2001	Yamazaki et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
	05-109737	04/30/1993	JP			Full Eng

Examiner

Date Considered

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04/03/2002

PTO/SB/08A (10-01)



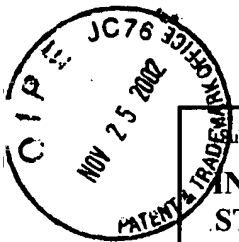
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/066,542
				Filing Date	February 2, 2002
				First Named Inventor	Osamu NAKAMURA et al.
				Art Unit	2814
Sheet	2	of	3	Examiner Name	
				Attorney Docket Number	740756-2431

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
BWB		US-5,589,694		12/31/1996	Takayama et al.	
		US-5,595,923		01/21/1997	Zhang et al.	
		US-5,595,944		01/21/1997	Zhang et al.	
		US-5,604,360		02/18/1997	Zhang et al.	
		US-5,605,846		02/25/1997	Ohtani et al.	
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		US-5,614,426		03/25/1997	Funada et al.	
		US-5,614,733		03/25/1997	Zhang et al.	
		US-5,616,506		04/01/1997	Takemura	
		US-5,620,910		04/15/1997	Teramoto	
		US-5,621,224		04/15/1997	Yamazaki et al.	
		US-5,624,851		04/29/1997	Takayama et al.	
		US-5,637,515		06/10/1997	Takemura	
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		US-5,696,386		12/09/1997	Yamazaki	
		US-5,696,388		12/09/1997	Funada et al.	

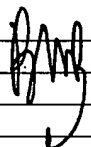
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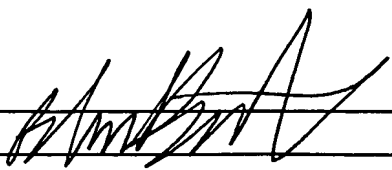
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				Application Number	10/066,542
				Filing Date	February 2, 2002
				First Named Inventor	Osamu NAKAMURA et al.
				Art Unit	2814
Sheet	3	of	3	Examiner Name	
				Attorney Docket Number	740756-2431

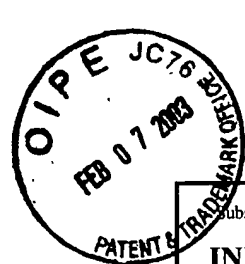
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
		US-5,705,829		01/06/1998	Miyanaga et al.	RECEIVED NOV 26 2002 TC 2800 MAIL ROOM
		US-5,712,191		01/27/1998	Nakajima et al.	
		US-5,744,824		04/28/1998	Kousai et al.	
		US-5,843,225		12/01/1998	Takayama et al.	
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		US-6,285,042		09/04/2001	Ohtani et al.	
		US-6,376,336		04/23/2002	Buynoski et al.	
		US-6,396,147		05/28/2002	Adachi et al.	
		US-2001/0034088		10/25/2001	Nakamura et al.	
	US-					

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
		Lee et al. <u>IEEE Transactions on Electron Devices</u> , Vol. 45, No. 8, August 1998 "Argon Ion-Implantation on Polysilicon or Amorphous-Silicon for Boron Penetration Suppression in p ⁺ pMOSFET" p. 1737-1744			
		Miyake et al. <u>IEEE Transactions on Electron Devices</u> , Vol. 43, No. 3, March 1996 "Characteristics of Buried-Channel pMOS Devices with Shallow Counter-Doped Layers Fabricated Using Channel Preamorphization" p. 444-449			
		U.S. Patent Application Serial No. 10/020,961 Filed: 12/19/2001 - Filing Receipt, Specification, Claims and Drawings			
		U.S. Patent Application Serial No. 10/072,931, Filed: 02/12/2002 - Filing Receipt, Specification, Claims and Drawings			
		U.S. Patent Application Serial No. 10/056,055, filed: 01/28/2002, Filing receipt, Specification, Claims and Drawings			
		U.S. Patent Application Serial No. 10/074,050 Filed: 02/14/2002, Filing Receipt, Specification, Claims and Drawings			
		U.S. Patent Application Serial No. 10/051,064 Filed: 01/18/2002, Filing Receipt, Specification, Claims and Drawings			
		U.S. Patent Application Serial No. 10/097,641 Filed: 03/15/2002, Filing Receipt, Specification, Claims and Drawings			
Examiner Signature				Date Considered	6/2/02

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Form PTO-1449 (Rev. 8-83)		U.S. Department of Commerce Patent and Trademark Office		Atty Docket 0756-2431		Serial No. 10/066,542	
 INFORMATION DISCLOSURE STATEMENT				Applicants: Osamu NAKAMURA et al.			
				Filing Date: February 05, 2002		Group Art Unit: 2814	
FOREIGN PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No	
BMB	09-074207	03/18/1997	JP			Full Eng	
Examiner 			Date Considered 5/31/03				
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
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				Filing Date	February 5, 2002
				First Named Inventor	Osamu NAKAMURA et al.
				Art Unit	2814
Examiner Name					
Sheet	1	of	1	Attorney Docket Number	740756-2431

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code ² (if known)			
		US-			
		US-			
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		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ² (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
hmg		D.J. Llewellyn et al. IEEE 1997; "Implantation and annealing of Cu in InP for electrical isolation: microstructural characterization" pp.313-316	
hmg		Kevin Jones et al. IEEE 2000; "Boron Diffusion upon Annealing of Laser Thermal Processed Silicon"; pp.111-114	

Examiner Signature		Date Considered	5/31/03
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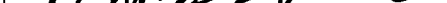
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	Not Yet Assigned
				Filing Date	February 5, 2002
				First Named Inventor	Osamu NAKAMURA et al
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	740756-2431
Sheet	1	of	1		

[illegible][illegible]

Examiner Signature		Date Considered	6/2/03
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